

REMARKS

Claim 8, 9, 12, and 14-26 are currently pending in the above-referenced patent application. Claim 7 has been cancelled and claims 8 and 9 have been amended by way of the present amendment.

Claims 12 and 14-20 have been objected to as being misnumbered under 37 C.F.R. § 1.126. Claim 8, 9, 12, and 14-20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over "Applicants Admitted Prior Art" (AAPA) in view of Moriconi (U.S. Patent No. 5,546,098), in further view of Godfrey et al. (U.S. Patent No. 5,736,973).

In response to the objection to claims 12 and 14-20 under 37 C.F.R. § 1.126 as being misnumbered, the Applicants respectfully request reconsideration. The Office Action stated that "misnumbered claims 12, 14-20 have been renumbered as 11, 13-19." The Applicants have not renumbered the claims, as claim 11 was originally filed in the application and renumbering claim 12 as claim 11 would create confusion on the record. Applicants believe that the source of confusion is that claim 4 was inadvertently omitted in the originally filed claims.

In response to the rejection of claims 8 and 9 under 35 U.S.C. § 103(a) as being unpatentable over AAPA in view of Moriconi, and further in view of Godfrey et al., the Applicants respectfully request reconsideration. These claims recite a display apparatus comprising a panel module and a module control board. The panel module includes drivers mounted on a display panel that drives a pixel matrix. The module control board has a timing

control unit for driving the drivers. The module control board also drives a backlight unit. That is, the module control board drives the backlight unit as well as the drivers. The apparatus further comprises a first connecting device that connects the timing control unit with the drivers. The first connecting device includes a flexible printed circuit film.

The disclosure of the "Description of the Prior Art" section of the present application does not disclose a first connecting device, including a flexible printed circuit film, connecting a timing control unit and drivers. Although this disclosure does show flexible printed circuit film 11 and 17, neither of these films connects a timing control unit to a driver. Further, this disclosure does not show the module control board that drives the backlight unit as well as the drivers in the display module.

Moriconi relates to a removable computer display interface. Godfrey et al. relates to an integrated backlight display system for a personal digital system. However, unlike the recitations of claims 7 and 9, neither Moriconi nor Godfrey et al. disclose a first connecting device, including a flexible printed circuit film, that connects a timing control unit with drivers.

Accordingly, neither AAPA, Moriconi, nor Godfrey et al. disclose, alone or in combination, a first connecting device, including a flexible printed circuit film, that connects a timing control unit and drivers. Further, neither Moriconi nor Godfrey et al. disclose a module control board that drives the backlight unit as well as the drivers in the display module. Accordingly, a *prima facie* case of obviousness has not been established in the rejection of claims 8 and 9 under 35 U.S.C. § 103(a). The Applicants respectfully submit that neither the

disclosures of Godfrey et al. nor Moriconi disclose the requisite suggestion or motivation to be modified or combined to teach or suggest the recitations of claims 8 and 9.

In response to the rejection of claims 12 and 14-20 under 35 U.S.C. § 103(a) as being unpatentable over AAPA in view of Moriconi in further view of Godfrey et al., the Applicants respectfully request reconsideration. These claims recite a notebook computer comprising a display module and a body module. The display module comprises drivers that drive a display device. The body module comprises a main printed circuit board and a driving circuit mounted on the main printed circuit board that drives the drivers in the display module. The notebook computer further comprises a connecting circuit comprising a flexible printed circuit film that connects the drivers in the driving circuit. The driving circuit also drives a back light unit. That is, the driving circuit drives the back light unit as well as the drivers in the display module.

AAPA, Moriconi, and Godfrey et al. have been discussed above. For similar reasons and in view of the above discussion, the Applicants respectfully submit that none of these prior art references discloses a flexible printed circuit film connecting the recited drivers and driving circuit, and a driving circuit for driving the drivers in the display module and the back light unit. The Applicants further submit that neither Moriconi nor Godfrey et al. disclose the requisite suggestion or motivation to be modified or combined to teach or suggest the recitations of claims 12 and 14-20. At least for these reasons the *prima facie* case of obviousness has not been established.

Entry of the amended claims is proper under 37 C.F.R. §1.116 since the amendments: (1) place the application in condition for allowance (for the reasons discussed herein); (2) do not raise any new issues requiring further search and/or consideration (since the amendments amplify issues previously discussed throughout prosecution without incorporating additional subject matter); and (3) satisfy a requirement of form asserted in the previous Office Action. Entry is thus requested.

CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **Daniel H. Sherr** at the telephone number listed below.

In view of the foregoing amendments and remarks, it is respectfully submitted that this application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

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To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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Amended Claims With Mark-ups to Show Changes Made

8. (Amended) A [The] display apparatus [as claimed in claim 7] for a notebook computer having a system body with a main printed circuit board, comprising:

a panel module including a display panel and a back light unit for irradiating to the display panel, said display panel having a pixel matrix that displays a picture information processed by the main printed circuit board, said panel module further including drivers mounted on the display panel that drive the pixel matrix;

a module control board having a timing control unit for driving the drivers and a back light unit driver for driving the back light unit of the panel module;

a first connecting device that connects the timing control unit and back light unit driver of the module control board with the drivers and the back light unit of the panel module, wherein said first connecting device includes a flexible printed circuit film; and

a second connecting device that connects the main printed circuit board with the module control board to provide signals from the main printed circuit board to the module control board.

9. (Amended) The display apparatus as claimed in claim 8 [7], wherein said second connecting device includes:

a flexible printed circuit film being coupled between the drivers and the module control board; and

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a conductive line being connected between the module control board and the back light unit.